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(71)Applicant: KYORIN PHARMACEUT CO LTD

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(72)Inventor: MIYAJI HIROYUKI

SEGAWA MITSURU

TAGAMI EMIKO
OKUBO HIDEO

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(54) NEW ARYLGLYCINAMIDE DERIVATIVE AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To provide a new arylglycinamide derivative useful as an agent for the treatment of urinary disturbance such as incontinence of urine and pollakiuria.

CONSTITUTION: The compound of formula I [Ar is (substituted) phenyl or (substituted) naphthyl; R1 and R4 are H or 1-3C alkyl; R2 is 1-6C alkyl, 3-6C cycloalkyl, (substituted) 1-4C alkyl, norbornyl, adamantyl or (substituted) phenyl; R3 is H, 1-6C alkyl or together with R2 form an alkylene; R5 is 1-6C alkyl or 5-6C cycloalkyl; R6 is H, 1-6C alkyl or together with R5 form an alkylene; (m) is 2 or 31 and its salt, e.g. N-cyclohexyl- α -[[2-(t-butylamino) ethyl]amino]phenylacetic acid amide. The compound can be produced by reacting a compound of formula II (X is eliminable group) with a compound of formula III.

$$R_{1} = \begin{pmatrix} R_{1} & R_{2} & R_{3} \\ R_{1} & R_{2} & R_{3} \\ R_{1} & R_{2} & R_{3} \end{pmatrix}$$

$$\begin{array}{c|c} R_1 & 0 \\ \parallel & \parallel \\ C - C - C - N \\ \parallel & R_3 \end{array}$$

$$R_1 - NH - (CH_2)_{n} - N R_1$$

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